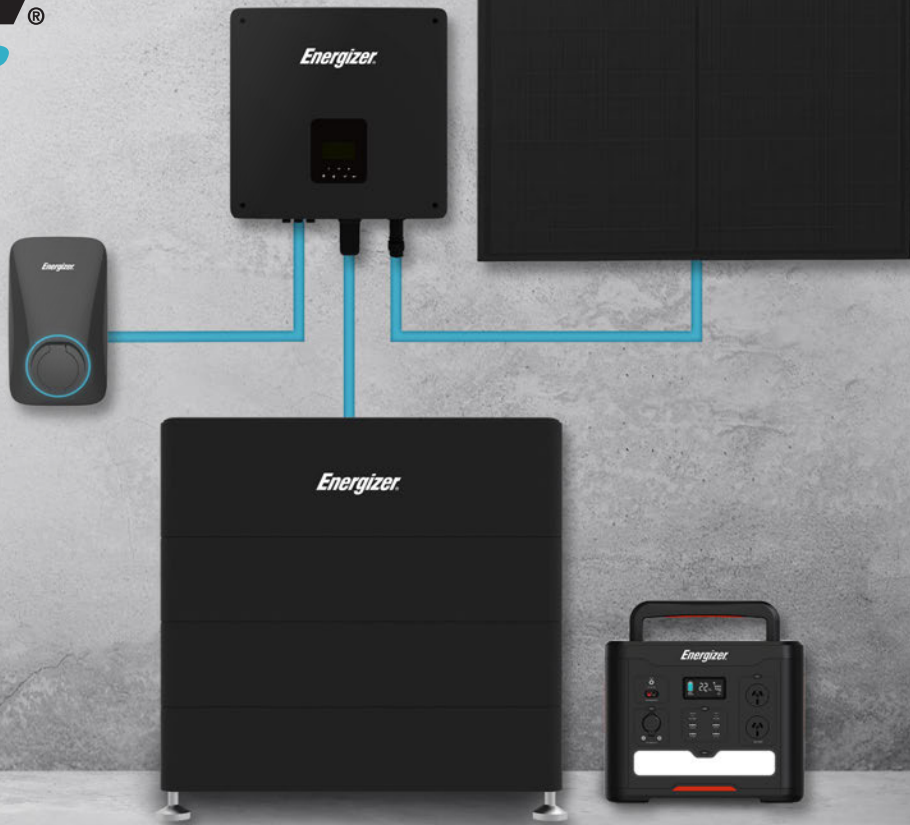


# ***Energizer***<sup>®</sup> ***SOLAR***



ENERGIZER SOLAR - CATALOGUE 2024

**Power your home and lifestyle  
with a brand you can **trust.****



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Providing clean energy solutions  
for today and tomorrow.





# A brand **rich** **with history.**

Energizer. began innovating in 1896 with the creation of the world's first dry cell battery. Since then, the Energizer. brand has become synonymous with innovation and emerging technologies.

Energizer. Solar is driving Energizer's pioneering spirit forward to bring better access to clean energy solutions that improve people's lives and our planet.

TM

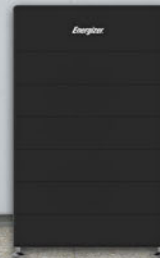
***Energizer.***

A modern outdoor patio area with a white wall, a wooden door, and a black Energizer EnergiStack battery unit. The patio is paved with light-colored tiles. A large teal shape is overlaid on the left side of the image, containing text. A white planter with a green plant is visible next to the battery unit.

# Energizer® Solar Solar Storage

Our highly efficient energy storage systems store any unused solar energy to power the home at night, on cloudy days, or during a power outage.

With homes becoming more energy dependant, it is required to have reliable and efficient power when it is needed. With the Energizer. EnergiStack, we have made it easy to expand your energy capacity with our easily stackable storage modules.





*Energizer.*

# EnergiStack

## Hybrid Stackable Battery

The Energizer. EnergiStack is a high-performance, scalable battery storage system. The modular design allows for maximum flexibility, making it suitable for a broad range of storage applications.

**Scalable modules to expand storage**

**90% Depth of Discharge**

**Wide temperature tolerance**

**Easy modular design**

**Indoor and outdoor installation**

**10 year warranty**



**Expandable  
Storage**



**High  
Performance**



**IP65  
Rated**



**Remote  
Monitoring**

# EnergiStack Models

## EnergiStack

2.9kWh Hybrid Stackable Battery



2.88kWh Nominal Capacity  
Wide Temperature Tolerance  
10 Year Warranty

Storage capacities between **5.76kWh and 20.16kWh.**

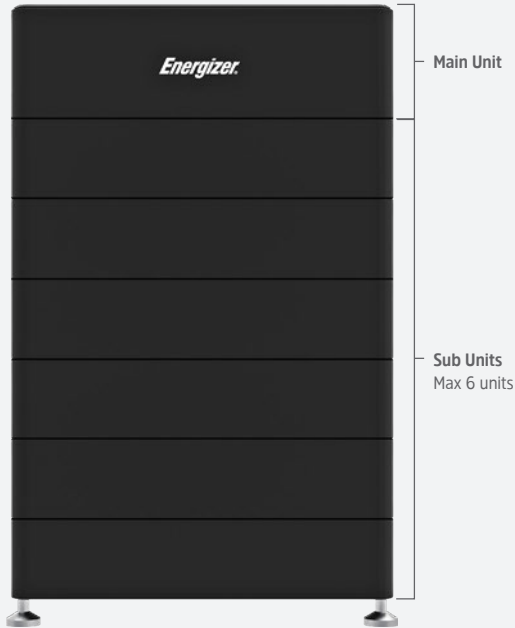
## Modular Design



## Blackout Protected







## KEY SPECIFICATIONS

### ELECTRICAL CHARACTERISTICS

Battery Type	LiFePO4 Prismatic Cell
Recommended Discharge Current [A]	25
Max. Charge / Discharge Current [A]	50
Peak Discharge Current [A]	65A @ 30sec
Depth of Discharge	90%
Communication	CAN, RS485
Display	Main Unit: LED, Sub Unit: LED
Scalability [Single Phase Inverter]	Min 2 Modules / Max 7 Modules
Scalability [Three Phase Inverter]	Min 4 Modules / Max 7 Modules

### OPERATING CONDITIONS

Installation Location	Outdoor / Indoor
Operating Temperatures [°C / °F]	-10 to 55°C / 14 to 131°F
Storage Temperatures [°C / °F]	-20 to 55°C / -4 to 131°F
Cooling Method	Natural Convection

### PHYSICAL CHARACTERISTICS

Main Unit Dimensions [W x H x D mm]	570 x 230 x 380
Main Unit Weight [kg]	34.7
Sub Unit Dimensions [W x H x D mm]	570 x 120 x 380
Sub Unit Weight [kg]	32.4

### WARRANTY

Standard Warranty	10 Years
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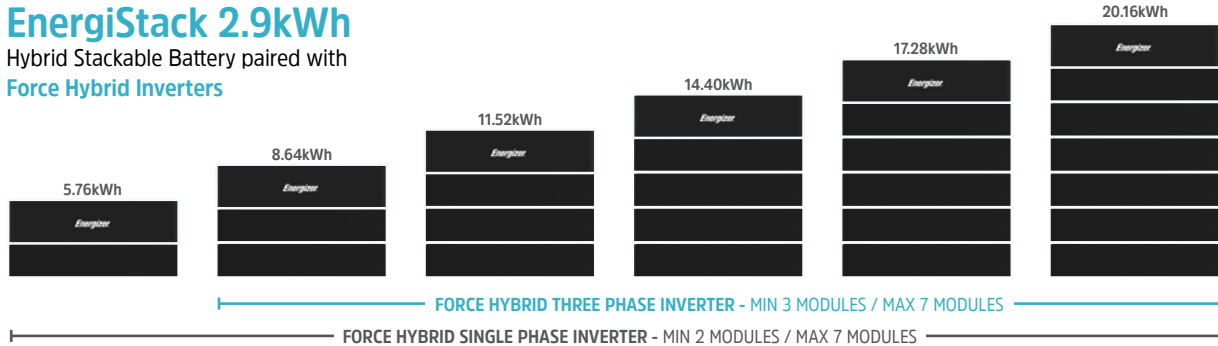
SCAN FOR MORE INFORMATION



# EnergiStack Configurations

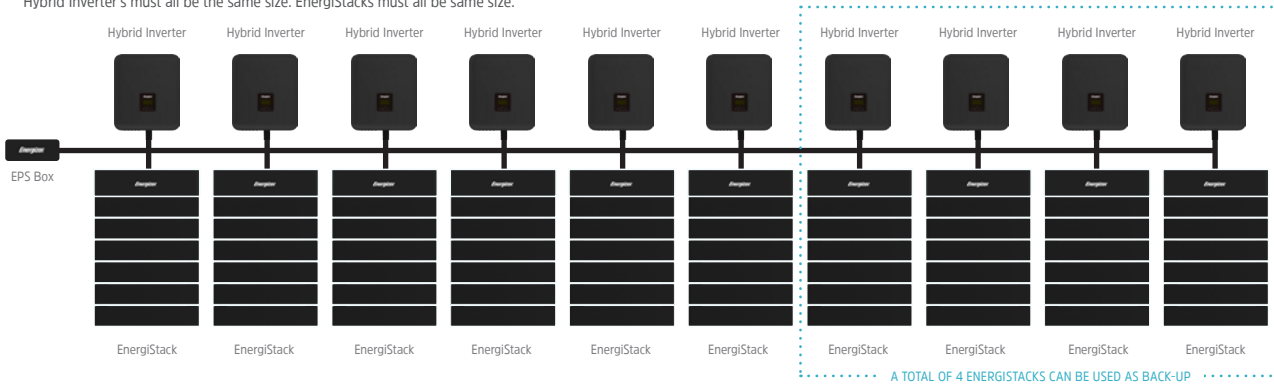
## EnergiStack 2.9kWh

Hybrid Stackable Battery paired with  
Force Hybrid Inverters



A total of 10 EnergiStacks can be connected in parallel to expand storage capacity.

Hybrid Inverter's must all be the same size. EnergiStacks must all be same size.





*Energizer*

# Energizer® Solar Hybrid Inverters

Energizer Solar Hybrid Inverters offer advanced features and are compatible with our high-voltage batteries. With the hybrid inverter, you're able to expand your solar system by adding our EnergiStack hybrid stackable battery.





*Energizer*

## Force Series

### Hybrid Solar Inverters

The Energizer Solar Hybrid Inverters are an essential part of the solar ecosystem. With a range of sizes to suit your energy needs, these compact, lightweight and weatherproof units are ideal for both indoor and outdoor installation.

**IP65 rated**

**Optional export control**

**RS485, Wi-Fi, LAN, GPRS (optional) communications**

**Wide voltage range/low start-up voltage**

**Android and iPhone apps available**



**Small &  
Compact**



**High  
Performance**



**IP65  
Rated**



**Remote  
Monitoring**

# Force Hybrid Inverter Models

## Force HS-AS

Single Phase Hybrid Inverter



Dual MPPT  
3kW-6kW

Can also be AC coupled

When paired with the EnergiStack, 10 stacks can be paralleled to provide a storage capacity up to 201.6kWh, and up to a 120kW PV Solar System.

COMING SOON

## Force HS-AS Plus

Single Phase Hybrid Inverter



Three & Four MPPT options  
8kW-10kW

Can also be AC coupled

When paired with the EnergiStack, 10 stacks can be paralleled to provide a storage capacity up to 201.6kWh, and up to a 100kW PV Solar System.

COMING SOON

## Force HT-AT

Three Phase Hybrid Inverter



Dual MPPT  
5kW-12kW

Can also be AC coupled

When paired with the EnergiStack, 10 stacks can be paralleled to provide a storage capacity up to 201.6kWh, and up to a 120kW PV Solar System.



## KEY SPECIFICATIONS

### PV INPUT (ONLY FOR HYBRID)

Max. Input Power [W]	4500 - 9000
Max. Input Voltage [V]	600
Start-up Input Voltage [V]	75
Rated Input Voltage [V]	360
MPPT Operating Voltage Range [V]	80 - 550
Max. Input Current [A]	16/16
Max. Short-circuit Current [A]	20/20
No. of Independent MPP Trackers	2
No. of Strings Per MPP Tracker	1

### Force HS-AS [3kW - 6kW]

Max. Input Power [W]	4500 - 9000
Max. Input Voltage [V]	600
Start-up Input Voltage [V]	75
Rated Input Voltage [V]	360
MPPT Operating Voltage Range [V]	80 - 550
Max. Input Current [A]	16/16
Max. Short-circuit Current [A]	20/20
No. of Independent MPP Trackers	2
No. of Strings Per MPP Tracker	1

### Force HS-AS PLUS [8kW - 10kW]

Max. Input Power [W]	12000 - 15000
Max. Input Voltage [V]	600
Start-up Input Voltage [V]	75
Rated Input Voltage [V]	360
MPPT Operating Voltage Range [V]	80 - 550
Max. Input Current [A]	16/16/16 or 16/16/16/16
Max. Short-circuit Current [A]	20/20/20 or 20/20/20/20
No. of Independent MPP Trackers	3 or 4
No. of Strings Per MPP Tracker	1

### Force HT-AT [5kW - 12kW]

Max. Input Power [W]	7500 - 15000
Max. Input Voltage [V]	1000
Start-up Input Voltage [V]	160
Rated Input Voltage [V]	720
MPPT Operating Voltage Range [V]	160 - 950
Max. Input Current [A]	14/14 , 26/14
Max. Short-circuit Current [A]	18/18, 36/18
No. of Independent MPP Trackers	2
No. of Strings Per MPP Tracker	1/1, 2/1

### OPERATING CONDITIONS

Installation	Wall Mounted
Operating Temperatures [°C / °F]	-25 to 60°C
Noise Emission [dB]	<35
Cooling Method	Natural

Installation	Wall Mounted
Operating Temperatures [°C / °F]	-25 to 60°C
Noise Emission [dB]	<35
Cooling Method	Natural

Installation	Wall Mounted
Operating Temperatures [°C / °F]	-25 to 60°C
Noise Emission [dB]	<30
Cooling Method	Natural

Installation	Wall Mounted
Operating Temperatures [°C / °F]	-25 to 60°C
Noise Emission [dB]	<35
Cooling Method	Natural / Fan cooling

### EPS OUTPUT

Max. EPS Power [VA]	3000 - 6000
Max. EPS Current [A]	13.6 - 27.3
Switch Time [ms]	<20
Parallel Options	Max of 10

Max. EPS Power [VA]	3000 - 6000
Max. EPS Current [A]	13.6 - 27.3
Switch Time [ms]	<20
Parallel Options	Max of 10

Max. EPS Power [VA]	8000 - 10000
Max. EPS Current [A]	36.4 - 45.5
Switch Time [ms]	<20
Parallel Options	Max of 10

Max. EPS Power [VA]	5000 - 12000
Max. EPS Current [A]	7.2 - 17.4
Switch Time [ms]	<20
Parallel Options	Max of 10

### PHYSICAL CHARACTERISTICS

Dimensions [W x H x D]	434 x 418 x 185mm
Weight	22kg
Display	LCD, App, Website

Dimensions [W x H x D]	434 x 418 x 185mm
Weight	22kg
Display	LCD, App, Website

Dimensions [W x H x D]	434 x 418 x 185mm
Weight	22kg
Display	LCD, App, Website

Dimensions [W x H x D]	450 x 527 x 208mm
Weight	29kg
Display	LCD, App, Website

### WARRANTY

Standard Warranty	10 Years
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Standard Warranty	10 Years
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Standard Warranty	10 Years
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Standard Warranty	10 Years
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# Energizer® Solar String Inverters

Sleek, reliable and compact, the Energizer® Solar String Inverters are precision engineered to provide maximum performance, efficiency and longevity.







*Energizer*

## Force Series String Solar Inverters

The Energizer® Solar String Inverters are lighter, smaller, and more powerful than traditional string inverters, making them a perfect fit to integrate into your home.

**Optional export control**

**RS485, Wi-Fi, LAN, GPRS (optional) communications**

**Wide voltage range/low start-up voltage**

**Android and iPhone apps available**



**Small &  
Compact**



**High  
Performance**



**IP65  
Rated**



**Remote  
Monitoring**

# Force String Inverter Models

## Force

Single Phase String Inverter



Dual MPPT  
3kW-6kW

## Force S

Single Phase String Inverter



Three MPPT  
8kW-10kW

COMING SOON

## Force T

Three Phase String Inverter



Three MPPT  
5kW-25kW

## KEY SPECIFICATIONS

### PV INPUT (ONLY FOR HYBRID)

Max. Input Power [W]	4500 - 9000
Max. Input Voltage [V]	600/80
Start-up Input Voltage [V]	120
Rated Input Voltage [V]	360
MPPT Operating Voltage Range [V]	80~550
Max. Input Current [A]	14
Max. Short-circuit Current [A]	18
No. of Independent MPP Trackers	2
No. of Strings Per MPP Tracker	1

### Force [3kW-6kW]

Max. Input Power [W]	4500 - 9000
Max. Input Voltage [V]	600/80
Start-up Input Voltage [V]	120
Rated Input Voltage [V]	360
MPPT Operating Voltage Range [V]	80~550
Max. Input Current [A]	14
Max. Short-circuit Current [A]	18
No. of Independent MPP Trackers	2
No. of Strings Per MPP Tracker	1

### Force S [7kW-10.5kW]

Max. Input Power [W]	10500 - 15750
Max. Input Voltage [V]	600
Start-up Input Voltage [V]	120
Rated Input Voltage [V]	360
MPPT Operating Voltage Range [V]	80~550
Max. Input Current [A]	14
Max. Short-circuit Current [A]	18
No. of Independent MPP Trackers	3
No. of Strings Per MPP Tracker	1

### Force T [5kW-25kW]

Max. Input Power [W]	7500 - 37500
Max. Input Voltage [V]	1100
Start-up Input Voltage [V]	140
Rated Input Voltage [V]	600
MPPT Operating Voltage Range [V]	140~1000
Max. Input Current [A]	14~28
Max. Short-circuit Current [A]	18.2
No. of Independent MPP Trackers	2
No. of Strings Per MPP Tracker	1/1, 2/2

### OPERATING CONDITIONS

Installation	Wall Mounted
Operating Temperatures [°C / °F]	-25 to 60°C
Noise Emission [dB]	<30
Cooling Method	Natural Convection

Installation	Wall Mounted
Operating Temperatures [°C / °F]	-25 to 60°C
Noise Emission [dB]	<30
Cooling Method	Natural Convection

Installation	Wall Mounted
Operating Temperatures [°C / °F]	-25 to 60°C
Noise Emission [dB]	<30
Cooling Method	Natural Convection

Installation	Wall Mounted
Operating Temperatures [°C / °F]	-25 to 60°C
Noise Emission [dB]	<30~<55
Cooling Method	Natural Convection / Fan

### PHYSICAL CHARACTERISTICS

Dimensions [W x H x D]	402 x 453 x 148mm
Weight	15.5kg
Display	LCD, App, Website

Dimensions [W x H x D]	402 x 453 x 148mm
Weight	15.5kg
Display	LCD, App, Website

Dimensions [W x H x D]	380 x 440 x 167mm
Weight	19kg
Display	LCD, App, Website

Dimensions [W x H x D]	370 x 480 x 183.5mm
Weight	17~21kg
Display	LCD, App, Website

### WARRANTY

Standard Warranty	10 + 2 Years
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Standard Warranty	10 + 2 Years
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Standard Warranty	10 Years
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Standard Warranty	10 Years
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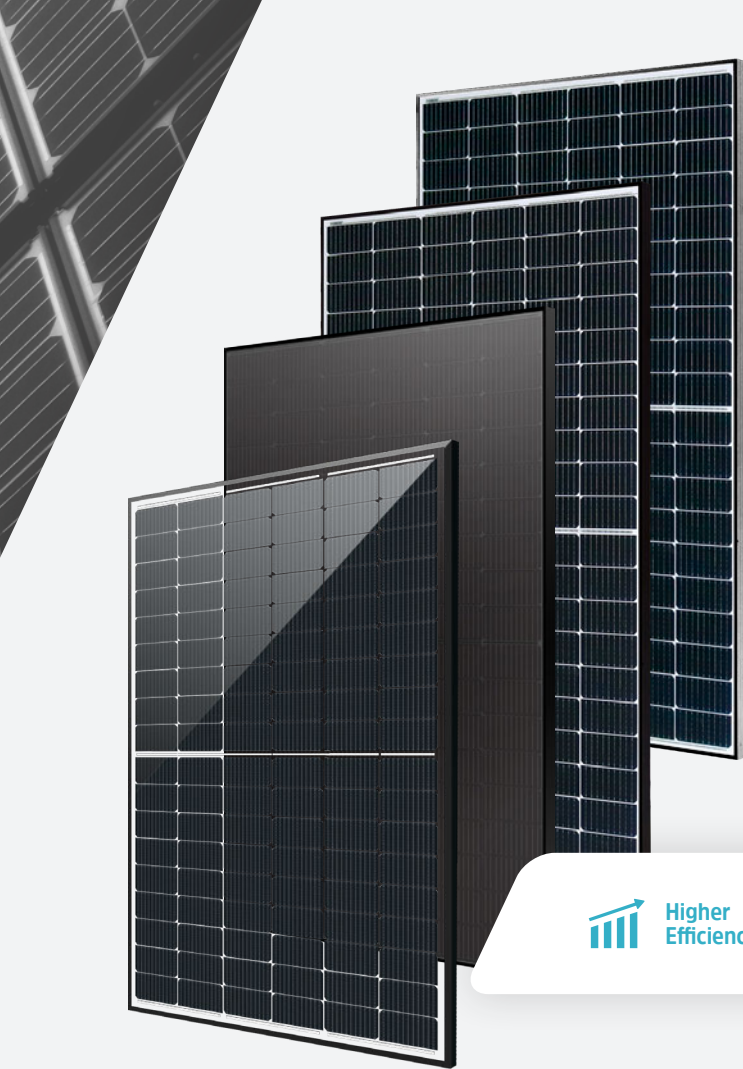
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# Energizer<sup>®</sup> Solar Solar Panels

Built using Mono-crystalline PERC technology, the Energizer. Solar Panels range combines two of the best technologies in the market.



*Energizer*

# Beam Series

## Solar Panels

Energizer Solar panels are quality checked by Artificial Intelligence Technology to ensure only the best performing solar panels are used. Our panels are then run through a series of vigorous tests to ensure the panels are built to last to withstand the harshest environments.

**Better performance in shaded and low-light conditions**

**Low operating temperatures**

**Excellent performance under real conditions**

**Engineered and designed to withstand harsh environments**

**Tier 1 manufactured, backed by Lloyds**



**Higher Efficiency**



**Half Cell Technology**



**Lower Power Loss**



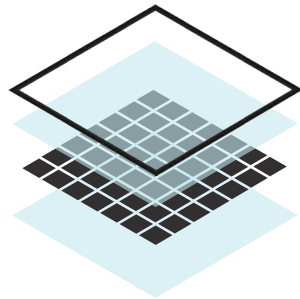
**Quality controlled by artificial intelligence**

## NEW PRODUCT

# Beam N DUAL GLASS Solar Panels

Mono PERC Half Cell Module

**430-450W**  
ENSP54NDG Series



### Dual Glass Construction

- Panel Frame
- Front Glass Panel
- Solar Cells
- Rear Glass Panel



Dual glass technology



Improved durability with no extra weight



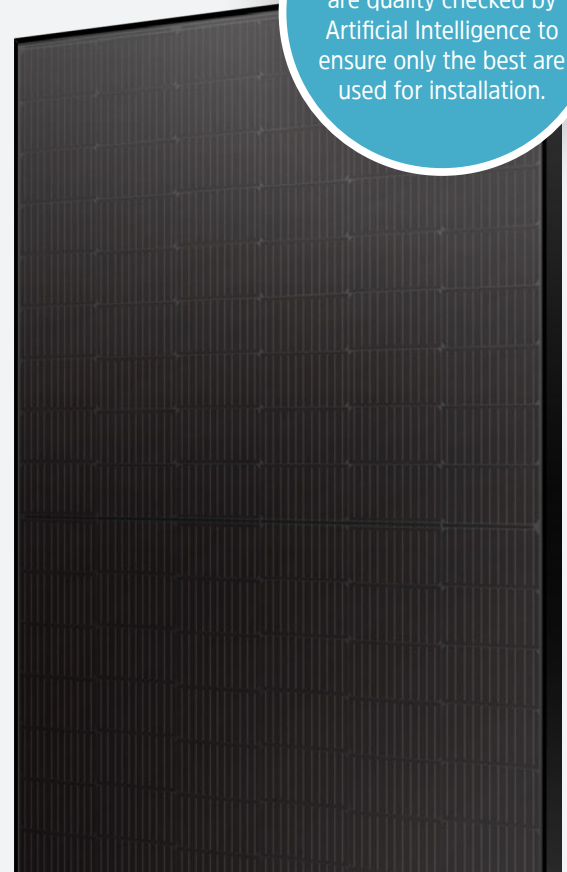
Improved fire & water resistance

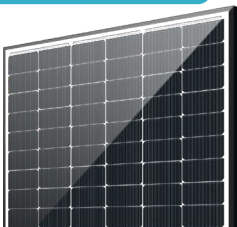
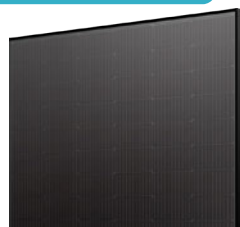


Positive power tolerance of 0~+5W



**Energizer.** Solar Panels are quality checked by Artificial Intelligence to ensure only the best are used for installation.



**DUAL-GLASS PROFILE****ALL BLACK PROFILE****BLACK FRAME PROFILE****SILVER FRAME PROFILE****KEY SPECIFICATIONS**

MORE PANELS AVAILABLE ONLINE

**ELECTRICAL SPECIFICATIONS**

STC Rated Output (W)  
 Rated Voltage (V<sub>ppc</sub>) at STC  
 Rated Current (I<sub>mp</sub>) at STC  
 Module Efficiency  
 Short Circuit Current (I<sub>sc</sub>) at NMOT  
 Maximum System Voltage (IEC/UL)  
 Maximum Series Fuse Rating

**BEAM N-DG**

430 - 450  
 32.71 - 33.39V  
 13.15 - 13.48A  
 21.5% - 22.5%  
 11.24 - 11.53A  
 1500V<sub>dc</sub>  
 30A

**BEAM N-DG**

410 - 420  
 31.68 - 32.02V  
 12.94 - 13.12A  
 21.0% - 21.5%  
 11.02 - 11.19A  
 1500V<sub>dc</sub>  
 39A

**BEAM N**

415 - 425  
 31.76 - 32.10V  
 13.06 - 13.24A  
 21.3% - 21.8%  
 11.11 - 11.28A  
 1500V<sub>dc</sub>  
 25A

**BEAM 2**

390 - 400  
 30.76 - 31.09V  
 12.68 - 12.86A  
 20.0 - 20.5%  
 10.87 - 11.07A  
 1500V<sub>dc</sub>  
 25A

**OTHER SPECIFICATIONS**

Outer Dimensions (L x W x D)  
 Cell Type  
 Cell Size  
 No. of Cells  
 Frame Technology  
 Glass Thickness  
 Maximum Mechanical Test Load  
 Connector Type  
 Weight  
 Modules per Box / Container  
 Fire Class Rating

1722 x 1134 x 30mm  
 N Type  
 182mm  
 108

Black Frame / White Glass  
 1.6 + 1.6mm  
 5400Pa (front) / 2400Pa (back)  
 MC4, PV-KBT4-EV02A/xy (Stäubli)  
 21.5kg  
 36pcs / 936pcs  
 Class A

1722 x 1134 x 30mm  
 N Type  
 182mm  
 108

Black Frame / Translucent Glass  
 1.6 + 1.6mm  
 5400Pa (front) / 2400Pa (back)  
 MC4, PV-KBT4-EV02A/xy (Stäubli)  
 20.8kg  
 36pcs / 936pcs  
 Class C

1722 x 1134 x 30mm  
 N Type  
 182mm  
 108

Black Frame  
 3.2mm  
 5400Pa (front) / 2400Pa (back)  
 MC4, PV-KBT4-EV02A/xy (Stäubli)  
 21.3kg  
 36pcs / 811pcs  
 Class C

1722 x 1134 x 30mm  
 P Type  
 182mm  
 108

All Black  
 3.2mm  
 5400Pa (front) / 2400Pa (back)  
 MC4, PV-KBT4-EV02A/xy (Stäubli)  
 21.6kg  
 36pcs / 936pcs  
 Class C

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# Energizer® Solar EV Chargers

Empowering drivers to charge safely and efficiently by providing a clean and profitable charging solution, accelerating the world's transition to sustainable energy.

With the Smart Charge App you're able to choose the Bluetooth smart lock, timing charging function, or change it to plug and play mode. At the same time, it can monitor charging information, set EV charger parameters, bind equipment and authorization, and upgrade remote software.





## *Energizer* EV Chargers AC Powered

Boost your car's energy in the comfort of your home with the Energizer® Electric Vehicle chargers.

**Easy to install and maintain**

**Available in cabled and socket options**

**Continuous uptime without abnormal interruption**

**Always connected with Wi-Fi, Bluetooth or Ethernet**

**Dynamic load management**

**Scheduled charging time for lower rates**

**Smart charging capable**



**RFID Cards  
Included**



**High  
Performance**



**IP65  
Rated**



**Remote  
Monitoring**

# EV Charger Models

## EV Charger A7

Single Phase Residential



**Power** - 7.3kW

**Output Current** - Max. 32A

**Output Voltage** - 230VAC

**Connector Type** - Type 2

## EV Charger A11

Three Phase Residential



**Power** - 11kW

**Output Current** - Max. 16A

**Output Voltage** - 400VAC

**Connector Type** - Type 2

## EV Charger A22

Three Phase Residential



**Power** - 22kW

**Output Current** - Max. 32A

**Output Voltage** - 400VAC

**Connector Type** - Type 2



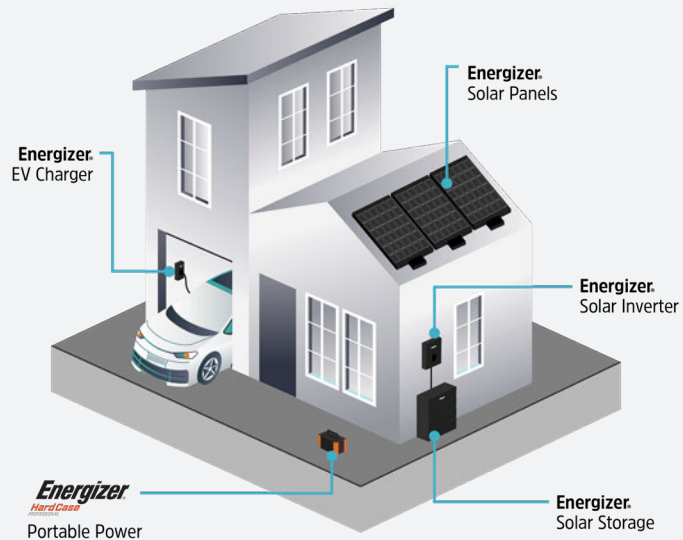
## KEY SPECIFICATIONS

	EV Charger 7kW	EV Charger 11kW	EV Charger 22kW
<b>INPUT</b>			
Voltage	230VAC	400VAC	400VAC
Maximum Current	32A	16A	32A
Frequency	50/60Hz	50/60Hz	50/60Hz
<b>OUTPUT</b>			
Voltage	230VAC	400VAC	400VAC
Maximum Current	32A	16A	32A
Rated Power	7.3kW	11kW	22kW
<b>USER INTERFACE</b>			
Connector Type	Type 2 Cable or Type 2 Socket	Type 2 Cable or Type 2 Socket	Type 2 Cable or Type 2 Socket
RFID Reader	Mifare ISO/IEC 14443 A	Mifare ISO/IEC 14443 A	Mifare ISO/IEC 14443 A
Emergency Stop	Yes	Yes	Yes
<b>PHYSICAL CHARACTERISTICS</b>			
Dimensions [W x H x D]	320 x 190 x 130mm	320 x 190 x 130mm	320 x 190 x 130mm
Weight	3.55kg (Cable) or 2.0kg (socket)	3.55kg (Cable) or 2.0kg (socket)	3.55kg (Cable) or 2.0kg (socket)

SCAN FOR MORE INFORMATION







# Discover more of the **Energizer® Solar** range.

For more information on Energizer® Solar or to view full product specifications, head to our website or contact us.

[www.energizersolar.com](http://www.energizersolar.com)



[hello@energizersolar.com](mailto:hello@energizersolar.com)



***Energizer***<sup>®</sup>  
***SOLAR***



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